AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims:

- 1. (Currently Amended) A method of controlling the migration of formation sand particulates in a well bore and increasing surface area for well-production comprising the steps of:
 - (a) hydrajetting at least one slot into a zone along a well bore; and,
- (b) placing a consolidation material comprising proppant particulates into the slot;
- (c) placing an expandable screen in the well bore, the expandable screen

 having at least a plurality of openings, and the size of at least one of the openings is smaller than
 the average size of the proppant particulates; and
- (d) expanding at least a portion of the expandable screen in the well bore relative to the walls of the well bore.
- 2. (Currently Amended) The method of claim 1 further comprising the step of, after step (b)(d):
- (c) placing and expanding an expandable screen in the isolated zone of the well bore.
- (e) allowing the expandable screen to prevent the migration of at least one proppant particulate into the well bore.
- 3. (Original) The method of claim 1 wherein the consolidation material comprises a resin.
- 4. (Original) The method of claim 3 wherein the resin consolidation material comprises a hardenable resin component comprising a hardenable resin and a hardening agent component comprising a liquid hardening agent, a silane coupling agent, and a surfactant.
- 5. (Currently Amended) The method of claim 4 wherein the hardenable resin in the liquid hardenable resin component is an organic resin emprising-selected from the group consisting of bisphenol A-epichlorohydrin resin, polyepoxide resin, novolak resin, polyester resin, phenol-aldehyde resin, urea-aldehyde resin, furan resin, urethane resin, glycidyl ethers, of and mixtures thereof.

- 6. (Currently Amended) The method of claim 4 wherein the liquid hardening agent in the liquid hardening agent component emprises is selected from the group consisting of amines, aromatic amines, aliphatic amines, cyclo-aliphatic amines, piperidine, triethylamine, benzyldimethylamine, N,N-dimethylaminopyridine, 2-(N₂N-dimethylaminomethyl)phenol, tris(dimethylaminomethyl)phenol, eff and mixtures thereof.
- 7. (Currently Amended) The method of claim 4 wherein the silane coupling agent in the liquid hardening agent component emprises is selected from the group consisting of N-2-(aminoethyl)-3-aminopropyltrimethoxysilane, 3-glycidoxypropyltrimethoxysilane, n-beta-(aminoethyl)-gamma-aminopropyl trimethoxysilane ex, and mixtures thereof.
- 8. (Currently Amended) The method of claim 4 wherein the surfactant in the liquid hardening agent component emprises is selected from the group consisting of ethoxylated nonyl phenol phosphate ester, mixtures of one or more cationic surfactants, a $C_{12} C_{22}$ alkyl phosphonate surfactant, one or more non-ionic surfactants and an alkyl phosphonate surfactant, eff and mixtures thereof.
- 9. (Currently Amended) The method of claim 4 wherein the resin consolidation material is a furan-based resin emprising selected from the group consisting of furfuryl alcohols, a mixture mixtures of furfuryl alcohol with an aldehyde, a mixture mixtures of furan resin and phenolic resin et and mixtures thereof.
- 10. (Currently Amended) The method of claim 4 further comprising a solvent comprising selected from the group consisting of 2-butoxy ethanol, butyl acetate, furfuryl acetate, or and mixtures thereof.
- 11. (Currently Amended) The method of claim 3 wherein the resin consolidation material is a phenolic-based resin comprising selected from the group consisting of terpolymer terpolymers of phenolic formaldehyde resin, a mixture mixtures of phenolic and furan resin, or and mixtures thereof.
- 12. (Currently Amended) The method of claim 11 further comprising a solvent emprising selected from the group consisting of butyl acetate, butyl lactate, furfuryl acetate, 2-butoxy ethanol, ex and mixtures thereof.
- 13. (Currently Amended) The method of claim 3 wherein the resin consolidation material is a HT epoxy-based resin comprising selected from the group consisting of bisphenol

A-epichlorohydrin resin, polyepoxide resin, novolac resin, polyester resin, glycidyl ethers, or and mixtures thereof.

- 14. (Currently Amended) The method of claim 13 further comprising a solvent emprising selected from the group consisting of dimethyl sulfoxide, dimethyl formamide, dipropylene glycol methyl ether, dipropylene glycol dimethyl ether, dimethyl formamide, diethylene glycol methyl ether, ethylene glycol butyl ether, diethylene glycol butyl ether, propylene carbonate, d'limonene d-limonene, fatty acid methyl esters, et and mixtures thereof.
- 15. (Original) The method of claim 1 wherein the consolidation material comprises a tackifying material.
- 16. (Currently Amended) The method of claim 15 wherein the tackifying eonsolidation material is selected from the group consisting of polyamides, is a polyamide, polyesters, polycarbonates, polycarbamates, natural resins, or and combinations thereof.
- 17. (Currently Amended) The method of claim $\frac{2}{2}$ wherein the well bore comprises a cased well bore.
 - 18. (Cancelled)
- 19. (Currently Amended) The method of claim $\frac{1}{2}$ wherein the well bore comprises an uncased well bore.
- 20. (Currently Amended) The method of claim #7 19 wherein the size of at least one of the openings in the expandable screen is smaller than both the average size of the proppant particulates particulate used and the average size of the formation sands.
- 21. (Currently Amended) A method of increasing-production from a zone along a controlling the migration of particulates in a well bore comprising the steps of:
 - (a) hydrajetting at least one slot into the zone along the well bore; and,
- (b) placing a consolidation material comprising <u>proppant</u> particulates into the slot:
- (c) placing an expandable screen in the well bore, the expandable screen having at least a plurality of openings;
- (d) expanding at least a portion of the expandable screen in the well bore relative to the walls of the well bore; and
- (e) allowing the expandable screen to prevent the migration of at least one proppant particulate into the well bore.

- 22. (Cancelled)
- 23. (Original) The method of claim 21 wherein the consolidation material comprises a resin.
- 24. (Original) The method of claim 23 wherein the resin consolidation material comprises a hardenable resin component comprising a hardenable resin and a hardening agent component comprising a liquid hardening agent, a silane coupling agent, and a surfactant.
- 25. (Currently Amended) The method of claim 24 wherein the hardenable resin in the liquid hardenable resin component is an organic resin comprising selected from the group consisting of bisphenol A-epichlorohydrin resin, polyepoxide resin, novolak resin, polyester resin, phenol-aldehyde resin, urea-aldehyde resin, furan resin, urethane resin, glycidyl ethers, or and mixtures thereof.
- 26. (Currently Amended) The method of claim 24 wherein the liquid hardening agent in the liquid hardening agent component emprises is selected from the group consisting of amines, aromatic amines, aliphatic amines, cyclo-aliphatic amines, piperidine, triethylamine, benzyldimethylamine, N,N-dimethylaminopyridine, 2-(N₂N-dimethylaminomethyl)phenol, tris(dimethylaminomethyl)phenol, of and mixtures thereof.
- 27. (Currently Amended) The method of claim 24 wherein the silane coupling agent in the liquid hardening agent component emprises is selected from the group consisting of N-2-(aminoethyl)-3-aminopropyltrimethoxysilane, 3-glycidoxypropyltrimethoxysilane, n-beta-(aminoethyl)-gamma-aminopropyl trimethoxysilane ex, and mixtures thereof.
- 28. (Currently Amended) The method of claim 24 wherein the surfactant in the liquid hardening agent component emprises is selected from the group consisting of ethoxylated nonyl phenol phosphate ester, mixtures of one or more cationic surfactants, a $C_{12} C_{22}$ alkyl phosphonate surfactant, one or more non-ionic surfactants and an alkyl phosphonate surfactant, et and mixtures thereof.
- 29. (Currently Amended) The method of claim 24 wherein the resin consolidation material is a furan-based resin comprising selected from the group consisting of furfuryl alcohols, a mixture mixtures of furfuryl alcohol with an aldehyde, a mixture mixtures of furan resin and phenolic resin ex, and mixtures thereof.

- 30. (Currently Amended) The method of claim 24 further comprising a solvent emprising selected from the group consisting of 2-butoxy ethanol, butyl acetate, furfuryl acetate, et and mixtures thereof.
- 31. (Currently Amended) The method of claim 23 wherein the resin consolidation material is a phenolic-based resin emprising selected from the group consisting of terpolymer terpolymers of phenolic formaldehyde resin, a mixture mixtures of phenolic and furan resin, of and mixtures thereof.
- 32. (Currently Amended) The method of claim 31 further comprising a solvent emprising selected from the group consisting of butyl acetate, butyl lactate, furfuryl acetate, 2-butoxy ethanol, example and mixtures thereof.
- 33. (Currently Amended) The method of claim 23 wherein the resin consolidation material is a HT epoxy-based resin comprising selected from the group consisting of bisphenol A-epichlorohydrin resin, polyepoxide resin, novolac resin, polyester resin, glycidyl ethers, of and mixtures thereof.
- 34. (Currently Amended) The method of claim 33 further comprising a solvent emprising selected from the group consisting of dimethyl sulfoxide, dimethyl formamide, dipropylene glycol methyl ether, dipropylene glycol dimethyl ether, dimethyl formamide, diethylene glycol methyl ether, ethylene glycol butyl ether, diethylene glycol butyl ether, propylene carbonate, d'limonene d-limonene, fatty acid methyl esters, ex and mixtures thereof.
- 35. (Original) The method of claim 21 wherein the consolidation material comprises a tackifying material.
- 36. (Currently Amended) The method of claim 35 wherein the tackifying eonsolidation material is a polyamide, material is selected from the group consisting of polyamides, polyesters, polycarbonates, polycarbamates, natural resins, or and combinations thereof.
- 37. (Currently Amended) The method of claim 22 21 wherein the well bore comprises a cased well bore.
- 38. (Currently Amended) The method of claim 37 wherein the size of the openings in the expandable screen is smaller than the average size of the proppant particulates particulates used.

- 39. (Currently Amended) The method of claim $\frac{22}{21}$ wherein the well bore comprises an uncased well bore.
- 40. (Currently Amended) The method of claim 37 39 wherein the size of the openings in the expandable screen is smaller than both the average size of the proppant particulates particulate used and the average size of the formation sands.